

Message Text

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INFO ALL NATO CAPITALS

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NATO PLEASE PASS TO DR. SPIELMAN

E.O. 11652: N/A

TAGS: CCMS, SENV

SUBJECT: CCMS: PILOT STUDY PROGRESS REPORT ON GEOTHERMAL ENERGY

REF: NATO 198

1. THE FOLLOWING IS THE QUARTERLY REPORT ON THE CCMS
GEOTHERMAL ENERGY PILOT STUDY:

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BEGIN REPORT

PROGRESS HAS BEEN MADE IN THE SIX TECHNICAL AREAS FOR INTERNATIONAL GEOTHERMAL COOPERATION. A VERY SUCCESSFUL WORKSHOP ON BRINE REINJECTION WAS HELD IN WAIRAKEI, NEW ZEALAND, NOVEMBER 18-27 INVOLVING U.S. AND NEW ZEALAND TECHNICAL STAFF. THE JOINT PLANNING OF PROPOSED REINJECTION EXPERIMENTS AT BROADLAND, NEW ZEALAND AND EAST MESA, CALIFORNIA WAS CARRIED OUT, AND AGREEMENTS WERE REACHED ON ALL PHASES OF THE TWO PROGRAMS. A CONTINUATION OF THE EXCHANGE PROGRAM IS PLANNED AT A SECOND WORKSHOP TO BE HELD IMMEDIATELY PRECEDING THE MAY 1975 UN GEOTHERMAL CONFERENCE IN SAN FRANCISCO. REPRESENTATIVES OF ALL COUNTRIES INTERESTED IN BRINE REINJECTION WILL BE INVITED TO PARTICIPATE.

DETAILS OF A SERIES OF TWO WORKSHOPS ON SMALL GEOTHERMAL POWER PLANTS HAVE LARGELY BEEN WORKED OUT. TENTATIVELY, THE FIRST CONFERENCE WILL BE IN BERKELEY, CALIFORNIA, MONDAY, JUNE 2, 1975, THE WEEK FOLLOWING THE UN CONFERENCE. THE CO-HOSTS FOR THE MEETING WILL BE THE U.S. AND PORTUGAL. THE SECOND FOLLOW-UP CONFERENCE WILL BE IN SAO MIGUEL, AZORES IN THE FALL AND WILL AGAIN BE CO-HOSTED BY THE U.S. AND PORTUGAL. A CONCEPTUAL DESIGN REPORT BEING PREPARED BY ROGERS ENGINEERING WILL BE CIRCULATED TO ALL INVITEES BEFORE THE JUNE MEETING.

THE NON-ELECTRIC USE STATE-OF-THE-ART REPORT IS NEAR-ING COMPLETION. EIGHT OF ELEVEN CHAPTERS ARE COMPLETE, AND THE LAST TWO TECHNICAL CONTRIBUTIONS ARE SCHEDULED FOR COMPLETION IN MARCH. THE REMAINING CHAPTER WILL CONTAIN GROUP RECOMMENDATIONS (REPRESENTING ALL PARTICIPATING COUNTRIES) FOR A CCMS RESEARCH PROGRAM. THE PLAN IS TO SEND ALL PARTICIPATING COUNTRIES THE TEN COMPLETED CHAPTERS AND TO HOLD A ONE-DAY SUMMARIZING CONFERENCE BEFORE THE UN CONFERENCE TO DEVELOP THE FINAL CHAPTER OF RECOMMENDATIONS.

A SECOND NON-ELECTRIC TOUR OF ICELAND WAS HELD ON JANUARY 27-29, 1975, TO DEVELOP DETAILED RECOMMENDATIONS FOR GEOTHERMALLY-HEATED GREENHOUSES. THE RESULTS WILL UNCLASSIFIED

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BE INCLUDED IN THE STATE-OF-THE-ART REPORT.

A PLANNING CONFERENCE WAS HELD BETWEEN THE LEADER OF THE RESERVOIR ENGINEERING PROGRAM, DR. PAUL KRUGER OF THE U.S. ERDA AND ITALIAN GEOTHERMAL EXPERTS TO PLAN A WORKSHOP PROBABLY TO BE HELD IN ITALY IN THE FALL OF 1975.

CONCURRENT WITH DISCUSSIONS OF THE RESERVOIR ENGINEERING WORKSHOP, A JOINT US/ITALIAN DRY HOT ROCK EXPERIMENT WAS DISCUSSED. THE ACTIVITIES UNDER THE PROPOSED PROGRAM WILL BE CLOSELY COORDINATED WITH THE ON-GOING CCMS DRY HOT ROCK PROGRAM. LOS ALAMOS CONTINUES TO RECEIVE INQUIRIES ABOUT TEMPORARY FOREIGN ASSIGNEES TO LASL TO PARTICIPATE IN THE DRY HOT ROCK EXPERIMENTS IN THE JEMEZ MOUNTAINS.

MEANWHILE, THE PROCEEDINGS OF THE CCMS DRY HOT ROCK MEETING SEPTEMBER 17-19, 1974, WERE PUBLISHED AND DISTRIBUTED.

FINALLY, A VISIT BY THE CO-LEADERS OF THE INTERNATIONAL GEOTHERMAL INFORMATION SYSTEM PROJECT, DRS. ALAN CLARK AND SIDNEY PHILLIPS, WAS HELD TO NEW ZEALAND AND ITALY DURING THE FIRST TWO WEEKS OF DECEMBER TO COORDINATE PLANS FOR PLACING THE INFORMATION PROGRAM IN OPERATION THIS SPRING.

END REPORT

2. FOR OTHER ACTION ADDRESSEES BESIDES USMISSION NATO:
IF APPROPRIATE, EMBASSIES MAY WISH TO PASS REPORT ON CCMS GEOTHERMAL ACTIVITIES TO RESPONSIBLE HOST COUNTRY OFFICIALS.
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